FIG. 1

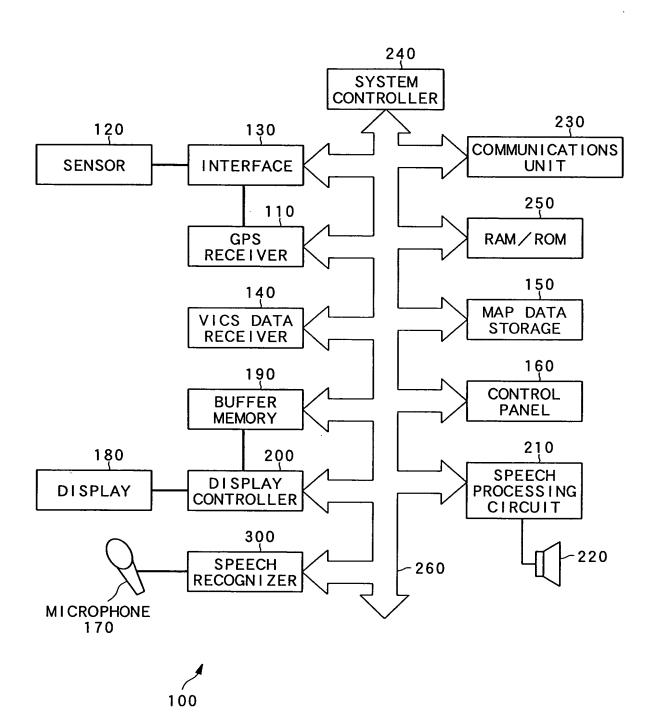
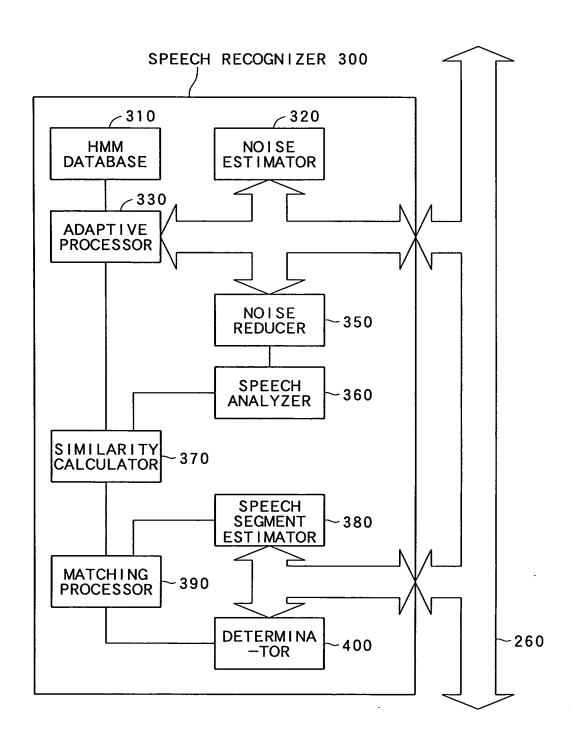
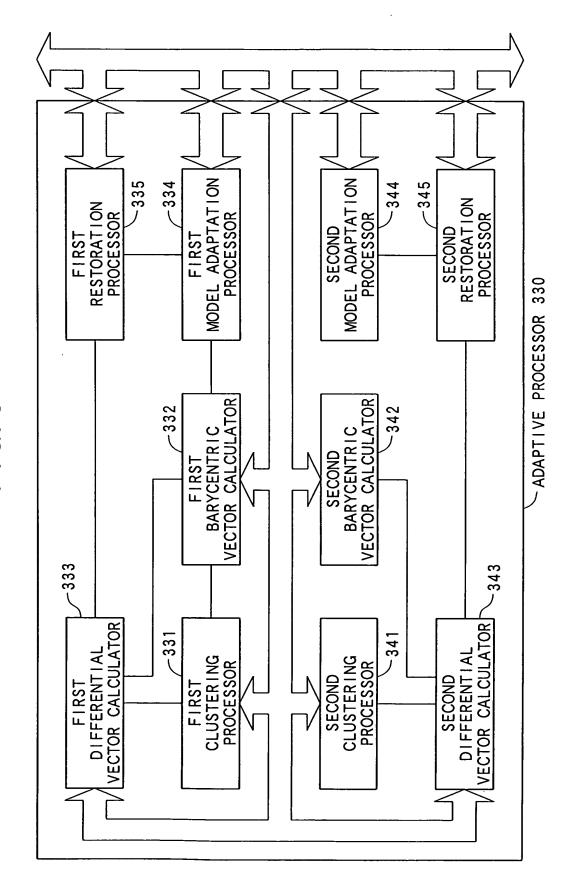


FIG. 2





F1G. 4

KEYWORD MODEL

 X NON-KEYWORD MODEL
Ø CENTER OF GRAVITY OF KEYWORD MODELS
★ CENTER OF GRAVITY OF NON-KEYWORD MODELS CENTER OF GRAVITY OF ENTIRE CLUSTER

CLUSTER × ×

FIG. 5

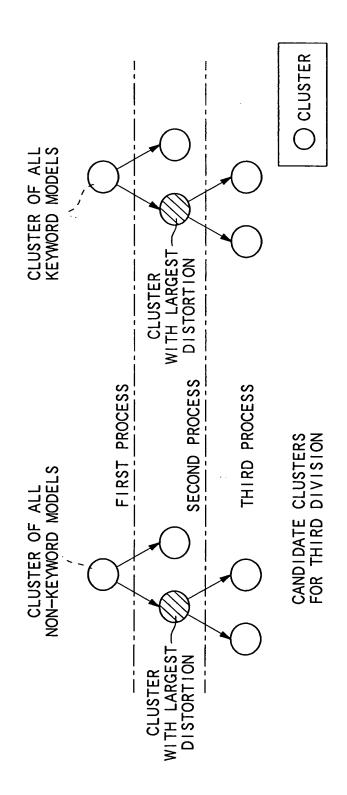


FIG. 6

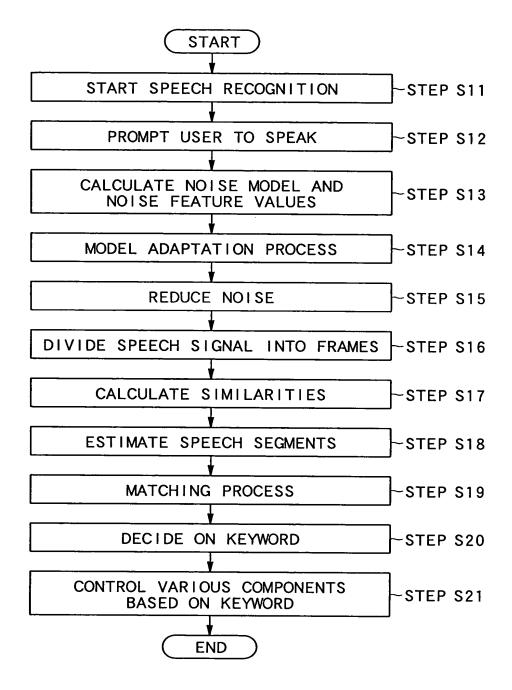


FIG. 7

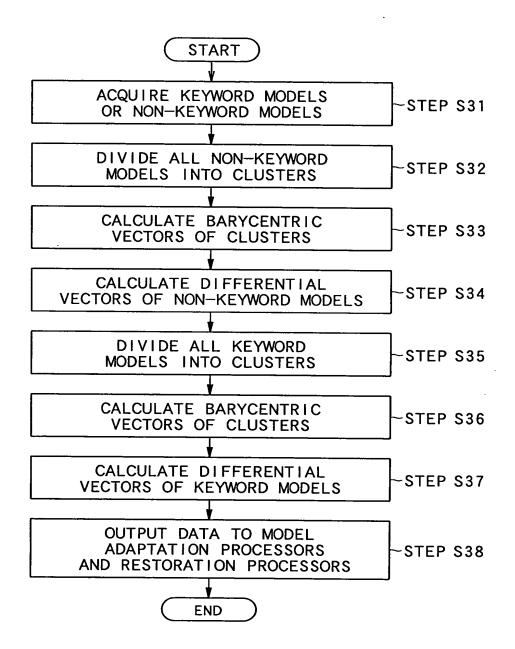


FIG. 8

	CASE 1 (%)	CASE 2(%)	CASE 3(%)	AVERAGE(%)
CONVENTIONAL	63.3	69.2	54.1	72.2
THIS EMBODIMENT	1.46	6.89	58.5	73.8